

ABSTRACT OF DISCLOSURE

A laser scanning unit includes a light source unit generating a plurality of laser beams, at least one horizontal polarizer arranged on an optical axis of a part of the laser beams, at least one vertical polarizer arranged on an optical axis of a remainder of the laser beams, a polygon mirror deflecting, within a range of a predetermined angle, a horizontally-polarized beam and a vertically-polarized beam respectively generated by the horizontal and the vertical polarizers, and an optical filter passing a horizontally-polarized beam of the plurality of polarized beams deflected by the polygon mirror, and reflecting a vertically-polarized beam at a predetermined angle.